



FHP 12-150

PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (20Hr)		150Ah
Dimensions	Length	485 ±2mm
	Width	172 ±2mm
	Box Height	240 ±2mm
	Total Height	240 ±2mm
Drawing n°400283-0		Weight 45,7 Kg ±5%
Standard Terminal		Bolt Type: M8
<p>Bolt-and-nut terminal Bolt Type:M8</p> <p>(in mm)</p>		

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 20°C			
Rated Capacity	20 hours rate 1,8Vpc at 20°C	150,00Ah				
	10 hours rate 1,8Vpc at 20°C	135,00Ah				
	5 hours rate 1,7Vpc at 20°C	123,55Ah				
	3 hours rate 1,7Vpc at 20°C	0,53Ah				
	1 hour rate 1,6Vpc at 20°C	0,10Ah				
Capacity affected by temperature	40°C	102%				
	20°C	100%				
	0°C	85%				
Internal Resistance 3 mΩ ±10%		SCC 3900 A ±10%				
Constant Voltage Charge	Cycle use	Initial Charging Current less than 45 A Voltage 14,70~15,00V at 20°C Temperature Coefficient -30 mV/°C				
	Stand-by use	No limit on Initial Charging Current Voltage 13,60~13,80V at 20°C Temperature Coefficient -20 mV/°C				

Constant Current (Amp) and Constant Power (Watt/cell) Discharge Table at 20°C

Final V./Time		5min	10min	15min	20min	30min	45min	60min	90min	2hours	3hours
9.9V	A	424,12	319,37	256,09	201,46	157,28	116,67	94,45	65,17	53,22	39,95
	W	989,72	669,22	545,70	465,45	307,80	255,47	190,28	145,13	123,20	75,56
10.2V	A	387,66	295,18	240,06	191,30	148,11	112,29	89,12	63,11	51,32	38,49
	W	943,47	638,24	537,03	458,06	299,82	248,85	186,74	142,43	120,90	74,68
10.8V	A	312,26	242,80	205,11	169,29	134,25	103,05	83,71	59,22	47,52	36,32
	W	886,05	598,05	510,00	435,00	285,00	236,55	177,00	135,00	114,60	73,50